

OE-417 Electric Emergency and Disturbance Report - Calendar Year 2020

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
January	01/09/2020	11:07 PM	01/09/2020	11:19 PM	Arkansas: Yell County;	SPP RE	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Severe Weather/Transmission Interruption	0	0
January	01/09/2020	8:45 PM	01/10/2020	9:23 PM	Washington: King County;	WECC	Cyber event that could potentially impact electric power system adequacy or reliability.	Suspicious Activity	0	0
January	01/09/2020	7:40 AM	01/09/2020	8:48 AM	Minnesota: North Dakota: Wisconsin:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
January	01/09/2020	11:07 PM	01/09/2020	11:18 PM	Arkansas:	SPP RE	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	System Operations	Unknown	Unknown
January	01/10/2020	2:53 PM	Unknown	Unknown	Tennessee: Hamilton County;	SERC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	Unknown	Unknown
January	01/11/2020	2:25 AM	01/11/2020	7:56 AM	Arkansas: Cross County;	SPP RE	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Severe Weather/Transmission Interruption	22	7541
January	01/11/2020	11:02 PM	01/12/2020	2:01 AM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	66475
January	01/11/2020	3:30 AM	01/11/2020	5:30 PM	Arkansas: Texas:	SPP RE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	68138
January	01/11/2020	1:20 PM	Unknown	Unknown	Tennessee:	SERC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	Severe Weather	4	Unknown
January	01/11/2020	12:50 PM	01/12/2020	1:33 PM	Alabama: Georgia: Mississippi:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	219	30715

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January	01/12/2020	11:15 AM	01/12/2020	11:18 AM	Texas: Brazos County;	TRE	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
January	01/14/2020	12:00 AM	01/14/2020	1:00 AM	Florida: Alachua County;	FRCC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
January	01/16/2020	11:06 AM	01/16/2020	11:36 AM	Texas: Harris County;	TRE	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
January	01/17/2020	5:28 AM	01/17/2020	10:13 AM	California: Humboldt County;	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	Severe Weather/Transmission Interruption	87	67864
January	01/20/2020	6:30 AM	01/20/2020	6:31 AM	California: Los Angeles County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
January	01/22/2020	2:57 AM	01/22/2020	3:17 AM	Nevada: Humboldt County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Actual Physical Attack	7	3120
January	01/23/2020	11:30 PM	01/24/2020	12:39 AM	Florida: Manatee County;	FRCC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Vandalism	0	0
January	01/24/2020	4:34 AM	Unknown	Unknown	California:	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	0	0
January	01/27/2020	2:10 PM	01/27/2020	6:58 PM	North Dakota: South Dakota: Montana:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	540	130000
January	01/30/2020	3:01 AM	01/30/2020	4:36 AM	North Dakota: Burleigh County;	MRO	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	75	0

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January	01/31/2020	9:50 AM	02/03/2020	10:00 AM	California:	WECC	Cyber event that could potentially impact electric power system adequacy or reliability.	Suspicious Activity	0	0
February	02/06/2020	2:29 PM	02/07/2020	12:44 PM	North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Distribution Interruption	Unknown	284256
February	02/06/2020	1:30 PM	02/07/2020	8:08 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Transmission Interruption	Unknown	89500
February	02/07/2020	4:25 PM	02/08/2020	12:00 PM	Connecticut: Maine: Massachusetts: New Hampshire: Rhode Island: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	123359
February	02/07/2020	2:42 PM	02/10/2020	9:25 AM	New York:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	7500
February	02/07/2020	11:00 AM	Unknown	Unknown	Pennsylvania:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Distribution Interruption	Unknown	52000
February	02/07/2020	8:48 AM	Unknown	Unknown	Virginia: North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	87000
February	02/08/2020	1:56 PM	02/08/2020	3:04 PM	California:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
February	02/09/2020	9:30 AM	02/09/2020	9:40 PM	California: Alameda County, Contra Costa County, El Dorado County, Nevada County, Placer County, Sierra County, Santa Clara County, Napa County, Marin County, Santa Cruz County:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	500	145000
February	02/11/2020	2:53 AM	02/11/2020	1:30 PM	Texas: Sterling County;	TRE	Cyber event that could potentially impact electric power system adequacy or reliability.	System Operations	0	0
February	02/11/2020	7:13 AM	02/11/2020	4:00 PM	Oregon: Clackamas County;	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	Unknown	0
February	02/12/2020	7:36 AM	02/12/2020	8:53 AM	Maine:	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
February	02/13/2020	8:01 AM	02/13/2020	2:38 PM	Oregon:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0

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February	02/17/2020	9:47 AM	02/17/2020	3:31 PM	Alabama: Chambers County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	97	Unknown
February	02/17/2020	1:18 PM	02/20/2020	9:51 AM	Michigan: Eaton County;	RF	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
February	02/17/2020	4:00 AM	Unknown	Unknown	Northern and Central California;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	91	70000
February	02/18/2020	1:00 PM	02/18/2020	2:00 PM	California: Kern County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
February	02/25/2020	11:45 AM	02/25/2020	1:00 PM	California: Los Angeles County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
February	02/26/2020	4:30 PM	02/26/2020	5:02 PM	Oklahoma:	SPP RE	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
February	02/26/2020	5:00 PM	02/26/2020	6:05 PM	Maine:	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
February	02/26/2020	11:29 AM	02/26/2020	12:14 PM	South Dakota: Wyoming: Colorado:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
February	02/29/2020	1:45 AM	02/29/2020	2:30 AM	Nevada: Clark County, Washoe County;	WECC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
March	03/01/2020	11:27 AM	03/01/2020	9:47 PM	Mississippi: Rankin County;	SERC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	19	3136
March	03/01/2020	10:15 PM	Unknown	Unknown	New York:	NPCC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
March	03/01/2020	8:00 AM	Unknown	Unknown	Western NY	NPCC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	675	Unknown

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March	03/02/2020	1:43 AM	03/02/2020	2:43 AM	Nevada: Clark County, Washoe County;	WECC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
March	03/03/2020	2:30 PM	03/03/2020	2:31 PM	Alabama:	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
March	03/08/2020	10:10 PM	03/09/2020	1:02 AM	Texas: Llano County;	TRE	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
March	03/12/2020	1:03 AM	03/12/2020	3:00 AM	Pennsylvania:	RF	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	40	15864
March	03/16/2020	12:01 PM	03/16/2020	1:10 PM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	165	110800
March	03/16/2020	8:00 AM	03/16/2020	8:01 AM	California: Los Angeles County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
March	03/16/2020	8:00 AM	03/16/2020	8:01 AM	California: Los Angeles County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
March	03/17/2020	10:30 AM	03/17/2020	11:41 AM	Michigan: Washtenaw County;	RF	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	6062	0
March	03/18/2020	7:09 AM	Unknown	Unknown	Utah:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Natural Disaster	237	73000
March	03/19/2020	5:05 PM	03/19/2020	5:43 PM	Minnesota: St. Louis County;	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
March	03/20/2020	10:20 PM	03/20/2020	11:30 PM	Connecticut: Massachusetts: Rhode Island: Maine: New Hampshire: Vermont:	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
March	03/20/2020	11:38 PM	03/20/2020	11:59 PM	Maine:	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0

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March	03/20/2020	11:45 PM	03/21/2020	12:30 AM	Connecticut: Massachusetts:	NPCC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
March	03/23/2020	12:15 AM	03/25/2020	5:11 PM	Wisconsin: Columbia County;	MRO	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
March	03/23/2020	2:15 PM	03/23/2020	4:37 PM	Virginia:	SERC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Sabotage	Unknown	1018
March	03/24/2020	12:45 PM	03/24/2020	2:00 PM	California: Nevada County;	WECC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
March	03/24/2020	2:55 AM	03/24/2020	6:50 AM	Connecticut: Massachusetts: Maine: New Hampshire: Rhode Island: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	51026
March	03/25/2020	10:31 AM	Unknown	Unknown	Nevada: Clark County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
March	03/26/2020	9:29 PM	03/26/2020	9:47 PM	Ohio:	RF	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	19	11964
March	03/27/2020	1:06 PM	03/27/2020	1:58 PM	Delaware: Kent County, New Castle County, Sussex County; Maryland: Cecil County, Harford County, Talbot County, Kent County, Queen Anne's County, Dorchester County, Wicomico County, Worcester County, Somerset County;	RF	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
March	03/27/2020	1:06 PM	03/27/2020	1:58 PM	New Jersey: Atlantic County, Cape May County, Cumberland County, Gloucester County, Salem County;	RF	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0

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March	03/29/2020	8:27 PM	03/29/2020	11:04 PM	Mississippi: Panola County;	SERC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	4	1558
March	03/31/2020	11:45 AM	03/31/2020	8:00 PM	Alabama: Georgia;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	412	57744
April	04/01/2020	9:43 PM	04/01/2020	10:18 PM	Illinois: Williamson County;	SERC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
April	04/02/2020	6:41 PM	04/02/2020	7:23 PM	Texas: Travis County;	TRE	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
April	04/02/2020	1:37 PM	04/02/2020	2:43 PM	Nebraska: York County;	MRO	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	5	Unknown
April	04/02/2020	8:45 PM	Unknown	Unknown	Washington: Wallula	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	Unknown	Unknown
April	04/03/2020	9:13 AM	Unknown	Unknown	Nevada: Clark County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
April	04/05/2020	2:30 AM	04/05/2020	3:01 AM	Texas: Cameron County;	TRE	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
April	04/05/2020	3:46 PM	04/05/2020	5:35 PM	California: Stanislaus County;	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	Severe Weather	7	6814
April	04/07/2020	11:39 PM	04/07/2020	11:46 PM	Washington:	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0

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April	04/08/2020	9:57 PM	04/09/2020	8:59 AM	Ohio: Kentucky:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	78314
April	04/08/2020	10:03 PM	04/09/2020	7:36 AM	Indiana:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	93000
April	04/08/2020	1:21 AM	04/08/2020	3:56 AM	Ohio:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	82509
April	04/09/2020	7:25 PM	04/10/2020	3:30 AM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	95000
April	04/09/2020	7:40 PM	04/11/2020	10:00 PM	Maine:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	340000
April	04/09/2020	7:34 AM	04/09/2020	5:40 PM	Wisconsin: Dane County;	RF	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
April	04/10/2020	10:00 AM	04/10/2020	4:19 PM	Maine:	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
April	04/10/2020	4:00 PM	Unknown	Unknown	Nevada: White Pine County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
April	04/11/2020	11:24 AM	04/11/2020	11:42 AM	Wyoming:	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0
April	04/11/2020	5:40 PM	04/11/2020	5:51 PM	Utah: Salt Lake City	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Suspicious Activity	Unknown	Unknown
April	04/12/2020	8:45 PM	Unknown	Unknown	Arkansas:	SPP RE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	95318
April	04/12/2020	1:00 PM	04/12/2020	7:27 PM	Louisiana: Acadia Parish, Iberville Parish, Jefferson Davis Parish, Concordia Parish, Winn Parish, Catahoula Parish, Terrebonne Parish, St. Mary Parish;	SERC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	Severe Weather	122	37991
April	04/12/2020	8:30 PM	04/14/2020	9:00 AM	Arkansas:	SPP RE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	51000
April	04/12/2020	9:28 PM	04/15/2020	12:00 PM	Virginia: West Virginia:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	104000
April	04/12/2020	5:00 PM	04/14/2020	1:25 AM	Mississippi: Alabama: Georgia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	448	62828
April	04/12/2020	6:13 PM	04/13/2020	3:23 PM	Texas:	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	63289

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April	04/13/2020	3:30 AM	04/14/2020	6:18 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	216400
April	04/13/2020	12:45 AM	04/13/2020	3:00 AM	Tennessee: Hamilton County;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	120000
April	04/13/2020	8:08 AM	Unknown	Unknown	South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	72233
April	04/13/2020	10:25 AM	04/13/2020	6:55 PM	North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	95000
April	04/13/2020	1:05 PM	04/14/2020	4:00 PM	Connecticut: Maine: Massachusetts: New Hampshire: Rhode Island: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	68476
April	04/13/2020	7:31 AM	04/13/2020	2:00 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	Unknown
April	04/16/2020	11:30 AM	04/16/2020	3:45 PM	Georgia:	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
April	04/18/2020	7:38 PM	Unknown	Unknown	Nevada: Washoe County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
April	04/19/2020	1:14 AM	04/20/2020	11:42 AM	North Dakota: Burleigh County;	MRO	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
April	04/20/2020	12:42 PM	04/20/2020	1:27 PM	South Dakota: Deuel County;	MRO	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
April	04/20/2020	12:59 AM	04/20/2020	8:40 AM	Alabama: Mississippi: Georgia: Florida:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	552	77341
April	04/23/2020	4:30 AM	04/23/2020	7:00 AM	Mississippi: Arkansas: Louisiana:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	55184
April	04/23/2020	8:00 AM	04/23/2020	11:40 PM	Alabama: Georgia: Mississippi: Florida:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	375	52163
April	04/24/2020	10:00 PM	Unknown	Unknown	Nevada: White Pine County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
April	04/24/2020	9:00 PM	04/24/2020	9:33 PM	California: Placer County, Nevada County;	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	System Operations	5	945
April	04/25/2020	9:25 PM	04/25/2020	9:56 PM	Oregon: Multnomah County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0

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April	04/26/2020	1:38 AM	Unknown	Unknown	Florida:	FRCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	49999
April	04/28/2020	8:01 PM	04/28/2020	11:21 PM	Texas: Jefferson County;	TRE	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	14	1
April	04/29/2020	6:00 AM	04/29/2020	12:31 PM	Louisiana:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	77933
April	04/29/2020	5:55 AM	04/29/2020	7:00 PM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	146660
April	04/30/2020	3:00 PM	Unknown	Unknown	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	78007
May	05/04/2020	11:59 AM	05/07/2020	8:00 PM	Tennessee: Davidson County;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	500	130000
May	05/08/2020	1:45 PM	05/08/2020	1:46 PM	Nevada: Nye County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
May	05/13/2020	11:16 PM	05/14/2020	1:52 PM	Indiana: Hendricks County;	RF	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
May	05/13/2020	5:12 AM	05/13/2020	2:07 PM	Washington:	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0
May	05/14/2020	11:23 AM	05/14/2020	11:25 AM	Oregon: Jackson County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
May	05/15/2020	5:55 PM	05/17/2020	6:00 PM	New York: Saratoga County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	52
May	05/16/2020	12:00 AM	05/16/2020	12:30 AM	Texas: Cameron County;	TRE	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
May	05/18/2020	11:51 PM	05/19/2020	4:37 AM	South Carolina:	SERC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0

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May	05/18/2020	9:27 AM	05/18/2020	10:15 AM	Oregon: Clackamas County;	WECC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
May	05/19/2020	8:04 PM	05/19/2020	10:00 PM	Alabama: Jefferson County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	8	6000
May	05/19/2020	8:17 AM	05/19/2020	8:18 AM	Idaho: Bonneville County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
May	05/19/2020	1:45 PM	05/19/2020	1:46 PM	Arkansas:	SPP RE	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
May	05/20/2020	11:41 AM	Unknown	Unknown	Nevada: Clark County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
May	05/22/2020	4:35 PM	05/23/2020	3:29 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	108190
May	05/24/2020	4:45 PM	Unknown	Unknown	Central Oklahoma	SPP RE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	54000
May	05/25/2020	10:58 AM	05/25/2020	1:00 PM	Texas: Kerr County;	TRE	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	8	3745
May	05/27/2020	5:15 PM	05/29/2020	6:30 AM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	382000
May	05/27/2020	5:20 PM	Unknown	Unknown	Texas:	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	273269
May	05/29/2020	5:01 PM	05/29/2020	6:57 PM	Pennsylvania: Warren County;	RF	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0
May	05/29/2020	5:30 PM	05/31/2020	6:00 PM	Minnesota: Hennepin County;	MRO	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center.	System Operations	0	0

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Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
May	05/29/2020	9:37 PM	05/30/2020	4:29 AM	Ohio: Franklin County;	RF	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
May	05/30/2020	10:20 PM	05/30/2020	11:00 PM	Texas: Bexar County;	TRE	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
May	05/31/2020	9:30 PM	06/01/2020	1:00 AM	Alabama: Jefferson County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
May	05/31/2020	12:15 AM	Unknown	Unknown	Pennsylvania:	RF	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center.	Vandalism	0	0
June	06/02/2020	2:36 PM	06/02/2020	2:37 PM	Idaho: Blaine County, Jerome County, Minidoka County, Power County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	Unknown	0
June	06/03/2020	1:00 PM	06/06/2020	4:30 PM	New Jersey:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	80	87000
June	06/03/2020	12:30 PM	06/03/2020	6:00 PM	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	708000
June	06/03/2020	4:57 PM	06/03/2020	5:29 PM	North Dakota: Minnesota:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
June	06/03/2020	1:36 PM	06/03/2020	4:30 PM	New Jersey:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	78079
June	06/09/2020	11:21 AM	06/09/2020	12:01 PM	Washington:	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0
June	06/10/2020	7:30 PM	Unknown	Unknown	Michigan: Oakland County, Macomb County, Wayne County, Sanilac County, Tuscola County, Huron County, Lapeer County, Livingston County, Monroe	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	237000

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June	06/10/2020	12:22 PM	06/10/2020	5:00 PM	Michigan: Gratiot County, Lake County, Missaukee County, Benzie County, Leelanau County, Manistee County, Wexford County, Montcalm County, Kent County, Ottawa County, Van Buren County, St. Joseph County, Arenac County, Saginaw County, Calhoun County, Branch County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	270000
June	06/10/2020	5:24 PM	06/11/2020	6:00 PM	Ohio: Indiana: Kentucky: West Virginia:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	85822
June	06/12/2020	8:21 AM	06/12/2020	8:22 AM	Michigan: Houghton County;	RF	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
June	06/18/2020	12:11 PM	06/22/2020	8:11 AM	Colorado: El Paso County;	WECC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Actual Physical Attack	0	0
June	06/18/2020	8:32 PM	06/18/2020	8:35 PM	Kentucky: Gallatin County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Actual Physical Attack	0	0
June	06/21/2020	1:16 AM	06/21/2020	6:45 PM	Delaware: New Castle County;	RF	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
June	06/22/2020	11:44 AM	06/22/2020	12:42 PM	Pennsylvania: Allegheny County, Beaver County;	RF	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
June	06/25/2020	9:40 AM	06/25/2020	11:00 AM	Kentucky: Madison County;	SERC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	Unknown	0
June	06/26/2020	4:20 PM	06/29/2020	3:00 PM	North Dakota: Mountrail County;	MRO	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
June	06/26/2020	12:47 PM	06/26/2020	1:53 PM	Texas: Travis County;	TRE	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0

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June	06/27/2020	4:00 PM	06/28/2020	2:27 AM	Alabama: Georgia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	33480	78109
June	06/29/2020	2:32 PM	06/29/2020	4:35 PM	Arkansas: Garland County;	SPP RE	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0
June	06/30/2020	10:28 AM	06/30/2020	10:29 AM	Oregon:	WECC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Vandalism	0	0
July	07/01/2020	7:26 PM	07/01/2020	7:44 PM	Pennsylvania:	RF	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	32	2013
July	07/02/2020	8:30 PM	Unknown	Unknown	California: Butte County;	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	0	0
July	07/06/2020	12:26 PM	Unknown	Unknown	New York: Kings County;	NPCC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
July	07/06/2020	6:45 PM	07/06/2020	7:42 PM	District of Columbia: Maryland:	RF	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
July	07/07/2020	11:38 AM	07/07/2020	6:24 PM	California: Los Angeles County;	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0
July	07/07/2020	1:09 PM	07/08/2020	8:17 AM	Colorado:	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0

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Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
July	07/07/2020	7:17 PM	07/07/2020	11:49 PM	West Virginia: Wyoming County;	RF	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Severe Weather/Transmission Interruption	Unknown	Unknown
July	07/08/2020	10:04 PM	Unknown	Unknown	Texas:	TRE	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Actual Physical Attack	0	0
July	07/08/2020	6:45 PM	Unknown	Unknown	California:	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	0	0
July	07/09/2020	3:09 PM	Unknown	Unknown	Washington: Thurston County;	WECC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
July	07/11/2020	11:30 PM	07/12/2020	6:30 AM	Oklahoma: Arkansas:	SPP RE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	68000
July	07/11/2020	9:30 PM	Unknown	Unknown	Oklahoma:	SPP RE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	94700
July	07/11/2020	4:55 AM	Unknown	Unknown	California:	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	0	0
July	07/12/2020	4:30 AM	07/13/2020	5:00 AM	Texas: Collin County, Dallas County, Denton County, Rockwall County, Tarrant County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	48000
July	07/12/2020	2:08 PM	07/12/2020	8:44 PM	Nevada: Washoe County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Actual Physical Attack	36	10000
July	07/13/2020	4:30 PM	07/13/2020	4:31 PM	Kentucky: Madison County;	SERC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
July	07/14/2020	2:16 PM	07/14/2020	2:53 PM	California:	WECC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0

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July	07/15/2020	11:00 AM	07/15/2020	11:20 AM	Kentucky: Madison County;	SERC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	Unknown	0
July	07/16/2020	8:49 AM	07/16/2020	11:06 AM	North Dakota: Minnesota:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	475	0
July	07/17/2020	11:00 PM	07/17/2020	11:30 PM	Oklahoma:	SPP RE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
July	07/17/2020	7:24 PM	Unknown	Unknown	New York:	NPCC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
July	07/19/2020	2:30 PM	07/21/2020	6:48 PM	Michigan:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	158500
July	07/19/2020	10:30 AM	Unknown	Unknown	New York: Niagara County	NPCC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	675	
July	07/20/2020	12:57 AM	07/20/2020	2:34 AM	Texas: Travis County;	TRE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Suspicious Activity	21	14096
July	07/21/2020	11:53 AM	07/21/2020	1:00 PM	Washington: Pierce County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	19	11000
July	07/22/2020	11:30 AM	07/22/2020	2:19 PM	West Virginia: Tucker County;	RF	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0
July	07/24/2020	8:25 AM	Unknown	Unknown	New York: Bronx County;	NPCC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
July	07/25/2020	9:00 PM	07/26/2020	4:00 PM	Texas: Hidalgo County, Cameron County, Starr County, Kenedy County, Willacy County, Brooks County, Jim Hogg County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	125	84000

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July	07/25/2020	7:58 PM	07/27/2020	7:00 PM	Texas: Nueces County, Kleberg County, Cameron County, Willacy County, Hidalgo County, Starr County, Kenedy County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	201208
July	07/28/2020	3:00 PM	07/28/2020	11:00 PM	Michigan: Jackson County;	RF	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
July	07/30/2020	5:54 PM	07/30/2020	8:18 PM	Nebraska: Scotts Bluff County;	MRO	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0
August	08/01/2020	11:14 AM	08/10/2020	9:26 PM	Texas: Cameron County, Willacy County, Hidalgo County, Starr County;	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
August	08/01/2020	8:16 AM	08/01/2020	9:15 AM	California: San Diego County;	WECC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
August	08/01/2020	12:00 AM	08/01/2020	12:01 AM	Texas: Cameron County, Hidalgo County, Starr County, Willacy County;	TRE	Damage or destruction of a Facility within its Reliability Coordinator Area, Balancing Authority Area or Transmission Operator Area that results in action(s) to avoid a Bulk Electric System Emergency.	Severe Weather	Unknown	Unknown
August	08/02/2020	7:43 PM	08/02/2020	10:27 PM	Illinois: Rock Island County;	SERC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	0	0
August	08/03/2020	8:00 AM	08/03/2020	1:00 PM	Texas: Ector County;	TRE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
August	08/03/2020	11:15 PM	08/06/2020	7:00 AM	North Carolina: South Carolina;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	340000
August	08/03/2020	11:02 PM	Unknown	Unknown	North Carolina:	SERC	Complete loss of off-site power (LOOP) affecting a nuclear generating station per the Nuclear Plant Interface Requirements.	Severe Weather	Unknown	Unknown

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August	08/04/2020	12:00 PM	08/07/2020	6:00 AM	New York: Rockland County, Orange County, Sullivan County; New Jersey: Bergen County, Passaic County, Sussex County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	160000
August	08/04/2020	1:00 PM	08/04/2020	11:59 PM	New York: Nassau County, Suffolk County, Queens County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	3907	420000
August	08/04/2020	11:20 AM	08/07/2020	10:55 AM	New Jersey:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	60	75000
August	08/04/2020	9:00 AM	08/05/2020	6:00 PM	Delaware:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	100000
August	08/04/2020	2:00 PM	08/08/2020	12:00 PM	New York: Dutchess County, Orange County, Ulster County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	116818
August	08/04/2020	4:41 AM	08/05/2020	4:26 PM	Virginia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	508000
August	08/04/2020	12:18 PM	08/08/2020	5:31 PM	New Jersey:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	788000
August	08/04/2020	2:35 PM	08/10/2020	11:00 AM	New York: Broome County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	76120
August	08/04/2020	3:15 PM	08/07/2020	10:27 AM	Connecticut: Massachusetts: New Hampshire: Maine: Rhode Island: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	2000	1188247
August	08/04/2020	1:31 PM	Unknown	Unknown	New York: Bronx County, Richmond County, Queens County, Kings County, Westchester County, New York County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	271119
August	08/04/2020	6:01 AM	08/06/2020	3:30 PM	North Carolina: Brunswick County, Columbus County, Pender County, Duplin County, Onslow County, Jones County, Craven County, Jones County, Beaufort County, Bertie County, Chowan County, Gates County, Perquimans County;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	311	125987
August	08/04/2020	12:00 PM	Unknown	Unknown	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	137103
August	08/04/2020	10:30 AM	Unknown	Unknown	New Jersey:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	70000
August	08/04/2020	2:35 PM	Unknown	Unknown	New York:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	76120

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August	08/05/2020	5:58 PM	08/05/2020	8:53 PM	Texas: Orange County;	TRE	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	89	19785
August	08/07/2020	5:13 AM	Unknown	Unknown	New York: Queens County, New York County;	NPCC	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.	Severe Weather	500	187068
August	08/10/2020	11:00 AM	08/10/2020	4:00 PM	Iowa: Webster County, Greene County, Dallas County, Hamilton County, Boone County, Polk County, Hardin County, Story County, Jasper County, Grundy County, Marshall County, Tama County, Poweshiek County, Benton County, Iowa County, Linn County, Johnson County, Jones County, Cedar County, Muscatine County, Jackson County, Clinton County, Scott County;	MRO	Uncontrolled loss of 200 Megawatts or more of firm system loads for 15 minutes or more from a single incident for entities with previous year's peak demand less than or equal to 3,000 Megawatts.	Severe Weather	550	Unknown
August	08/10/2020	4:00 PM	08/13/2020	3:00 PM	Illinois: Missouri;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	135000
August	08/10/2020	12:49 PM	Unknown	Unknown	Iowa:	MRO	Complete loss of off-site power (LOOP) affecting a nuclear generating station per the Nuclear Plant Interface Requirements.	Severe Weather	Unknown	Unknown
August	08/10/2020	10:39 PM	08/13/2020	3:48 PM	Indiana:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	95300
August	08/10/2020	2:30 PM	Unknown	Unknown	Illinois: Cook County, Will County, DuPage County, Lake County, Kane County, Grundy County, LaSalle County, DeKalb County, McHenry County, Lee County;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	856000
August	08/10/2020	10:25 PM	08/10/2020	11:02 PM	New York: Onondaga County;	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
August	08/10/2020	12:38 PM	Unknown	Unknown	Iowa:	MRO	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.	Severe Weather	1400	250000

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August	08/10/2020	10:00 AM	Unknown	Unknown	Iowa: Dallas County, Polk County, Warren County, Madison County, Johnson County, Scott County; Illinois: Rock Island County, Henry County, Mercer County;	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	950	300000
August	08/13/2020	1:51 PM	08/13/2020	4:27 PM	Texas: El Paso County;	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	System Operations	218	57060
August	08/14/2020	6:36 PM	08/14/2020	8:42 PM	California:	WECC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	System Operations	560	220000
August	08/14/2020	4:39 PM	08/14/2020	5:42 PM	Louisiana: St. Charles Parish;	SERC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	101	12671
August	08/14/2020	5:15 PM	08/15/2020	9:00 PM	California:	WECC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	1120	Unknown
August	08/14/2020	6:45 PM	08/14/2020	9:12 PM	California: Kern County, Kings County, Los Angeles County, Orange County, Riverside County, San Bernardino County, Santa Barbara County, Tulare County, Ventura	WECC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	System Operations	1419	132000
August	08/14/2020	8:00 PM	08/16/2020	5:00 PM	Minnesota: Anoka County, Hennepin County, Ramsey County, Washington County;	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	60000
August	08/15/2020	6:25 PM	08/15/2020	7:44 PM	California:	WECC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	System Operations	459	220000
August	08/15/2020	2:53 PM	08/15/2020	8:00 PM	California:	WECC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	795	Unknown
August	08/15/2020	3:00 PM	08/15/2020	7:45 PM	California: Inyo County, Kern County, Los Angeles County, Orange County, Riverside County, San Bernardino County, Tulare County, Ventura County;	WECC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	System Operations	200	70000
August	08/15/2020	5:00 PM	Unknown	Unknown	Washington: Snohomish County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	8

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August	08/15/2020	5:41 PM	08/15/2020	6:48 PM	Connecticut: New Haven County[13];	NPCC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
August	08/16/2020	8:00 PM	08/18/2020	9:00 PM	Texas: Collin County, Dallas County, Denton County, Tarrant County, Ellis County, Kaufman County, Johnson County, Anderson County, Angelina County, Grayson County, Smith County, Wichita County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	300000
August	08/16/2020	3:44 AM	08/17/2020	2:18 PM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	409	124266
August	08/16/2020	5:30 PM	08/16/2020	7:10 PM	California:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	712	Unknown
August	08/17/2020	8:21 AM	08/17/2020	9:01 AM	California: Yuba County;	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	Severe Weather	2	2
August	08/17/2020	3:05 PM	08/17/2020	9:24 PM	California:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	829	Unknown
August	08/18/2020	7:00 PM	08/18/2020	7:30 PM	California: Kings County;	WECC	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center.	Potential Physical Attack	0	0
August	08/18/2020	2:00 PM	08/18/2020	9:00 PM	Nevada:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	7800	1400000
August	08/18/2020	9:55 PM	08/18/2020	10:10 PM	California: Imperial County;	WECC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0

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August	08/18/2020	1:30 PM	08/18/2020	8:30 PM	California:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	917	Unknown
August	08/18/2020	2:44 PM	08/18/2020	3:14 PM	Texas: Culberson County, Reeves County;	TRE	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	205	238
August	08/18/2020	2:30 PM	Unknown	Unknown	Arizona:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	0	Unknown
August	08/19/2020	1:27 AM	08/19/2020	3:03 AM	Ohio: Trumbull County;	RF	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	22	16107
August	08/19/2020	2:00 PM	08/19/2020	9:00 PM	Arizona: Maricopa County;	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	1200	0
August	08/19/2020	2:00 PM	08/19/2020	9:00 PM	Nevada:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	7500	1400000
August	08/19/2020	12:00 PM	08/19/2020	9:00 PM	California:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
August	08/20/2020	12:03 AM	08/20/2020	2:05 PM	Maine:	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
August	08/20/2020	9:17 AM	08/20/2020	1:42 PM	Mississippi: Jasper County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
August	08/20/2020	3:29 PM	08/20/2020	3:39 PM	Nebraska: Custer County;	MRO	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	60	Unknown

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August	08/23/2020	10:12 PM	08/23/2020	10:15 PM	West Virginia: Putnam County;	RF	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Suspicious Activity	0	0
August	08/23/2020	10:30 AM	Unknown	Unknown	Texas panhandle, SE NM	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
August	08/24/2020	11:00 PM	08/24/2020	11:59 PM	Texas: Denton County;	TRE	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Potential Physical Attack	0	0
August	08/25/2020	2:43 AM	08/25/2020	7:43 AM	Colorado: Jefferson County;	WECC	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center.	Vandalism	0	0
August	08/27/2020	5:00 AM	09/03/2020	12:00 PM	Louisiana:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	200	50000
August	08/27/2020	7:00 AM	08/30/2020	7:00 PM	Louisiana: Rapides Parish;	SERC	Complete operational failure or shut-down of the transmission and/or distribution of electrical system.	Severe Weather	48	Unknown
August	08/27/2020	12:44 PM	08/27/2020	11:00 PM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
August	08/27/2020	12:06 PM	08/27/2020	10:49 PM	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	581	Unknown
August	08/27/2020	7:40 AM	08/31/2020	7:40 AM	Louisiana: Texas:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	130000
August	08/27/2020	1:15 AM	Unknown	Unknown	Texas: Louisiana:	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	615992
August	08/27/2020	7:40 AM	08/31/2020	3:33 AM	Louisiana: Texas:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	47927
August	08/27/2020	12:02 PM	08/27/2020	10:54 PM	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	573	Unknown

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August	08/27/2020	12:29 PM	08/27/2020	12:59 PM	Nebraska: Douglas County, Burt County, Washington County, Dodge County, Colfax County, Saunders County, Sarpy County, Cass County, Otoe County, Johnson County, Nemaha County, Pawnee County, Richardson County;	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
August	08/27/2020	5:11 PM	08/28/2020	10:00 AM	Connecticut: Massachusetts: New Hampshire: Maine: Rhode Island: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	100	60687
August	08/27/2020	1:24 PM	Unknown	Unknown	Texas: Montgomery County, Liberty County;	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	208	Unknown
August	08/27/2020	12:06 PM	Unknown	Unknown	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	350	Unknown
August	08/27/2020	6:00 AM	08/27/2020	6:05 AM	West Virginia: Putnam County;	RF	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	2900	Unknown
August	08/27/2020	3:14 AM	Unknown	Unknown	Louisiana: Calcasieu Parish, Beauregard Parish, Iberia Parish, Acadia Parish, Evangeline Parish, Rapides Parish, St. Landry Parish, Vernon Parish;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	Unknown
August	08/28/2020	4:27 PM	08/28/2020	7:26 PM	Washington: Oregon:	WECC	Total generation loss, within one minute of: greater than or equal to 2,000 Megawatts in the Eastern or Western Interconnection or greater than or equal to 1,400 Megawatts in the ERCOT Interconnection.	Severe Weather	0	0
August	08/28/2020	12:25 AM	08/28/2020	1:00 AM	Maine:	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
August	08/29/2020	3:35 AM	08/29/2020	5:45 AM	Texas:	TRE	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	Severe Weather	Unknown	Unknown
August	08/31/2020	9:00 AM	08/31/2020	3:53 PM	Washington:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0

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September	09/01/2020	1:04 PM	09/01/2020	1:05 PM	California: Los Angeles County;	WECC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
September	09/03/2020	1:46 PM	09/03/2020	10:47 PM	Washington:	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	Unknown	Unknown
September	09/04/2020	1:07 AM	09/04/2020	1:37 AM	Florida: Pinellas County;	FRCC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
September	09/05/2020	5:20 PM	09/05/2020	8:37 PM	California:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	986	Unknown
September	09/05/2020	5:25 PM	09/05/2020	8:55 PM	California: Imperial County;	WECC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	100	20000
September	09/06/2020	4:00 PM	09/06/2020	9:00 PM	Nevada:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	8180	1400000
September	09/06/2020	4:30 PM	09/06/2020	9:05 PM	California:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	System Operations	1071	Unknown
September	09/06/2020	5:36 PM	09/06/2020	7:27 PM	Washington: Oregon: California:	WECC	Total generation loss, within one minute of: greater than or equal to 2,000 Megawatts in the Eastern or Western Interconnection or greater than or equal to 1,400 Megawatts in the ERCOT Interconnection.	System Operations	0	0
September	09/06/2020	5:00 PM	09/07/2020	3:00 AM	California: Los Angeles County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	72000
September	09/07/2020	10:40 PM	09/09/2020	5:24 PM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Transmission Interruption	610	172000
September	09/07/2020	6:00 PM	09/08/2020	6:00 PM	Washington: Kitsap County, King County, Pierce County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	71500
September	09/07/2020	9:13 AM	09/08/2020	6:00 AM	Washington:	WECC	Complete operational failure or shut-down of the transmission and/or distribution of electrical system.	Natural Disaster	80	21000

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September	09/07/2020	7:05 PM	09/08/2020	10:00 PM	Oregon: Multnomah County, Washington County, Clackamas County, Marion County, Yamhill County, Polk County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	2859	103000
September	09/08/2020	9:50 AM	09/08/2020	10:56 AM	Michigan: Ingham County;	RF	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	265	0
September	09/09/2020	10:16 PM	09/11/2020	8:17 AM	Minnesota: Sherburne County;	MRO	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
September	09/09/2020	11:22 AM	09/09/2020	1:04 PM	Idaho:	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Natural Disaster	0	0
September	09/15/2020	10:00 PM	09/20/2020	3:00 PM	Alabama: Florida: Georgia: Mississippi:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Transmission Interruption	236	34096
September	09/15/2020	3:04 PM	09/15/2020	3:37 PM	North Dakota: South Dakota: Montana:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
September	09/16/2020	7:00 AM	09/18/2020	6:00 AM	Florida: Escambia County;	FRCC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
September	09/16/2020	3:00 AM	09/21/2020	8:00 AM	Alabama: Baldwin County;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	0	77600
September	09/16/2020	2:09 AM	09/16/2020	2:20 AM	Maine: Oxford County;	NPCC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
September	09/20/2020	8:01 PM	09/21/2020	3:44 PM	Oklahoma: Canadian County;	SPP RE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Actual Physical Attack	0	Unknown
September	09/22/2020	10:02 AM	09/22/2020	12:58 PM	California:	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	System Operations	8	4350

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September	09/23/2020	12:00 PM	09/23/2020	1:00 PM	New Jersey:	RF	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
September	09/26/2020	5:17 AM	09/26/2020	5:41 AM	Nevada: Clark County;	WECC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Actual Physical Attack	26	13000
September	09/27/2020	6:27 PM	09/28/2020	3:17 PM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Natural Disaster	337	102267
September	09/30/2020	5:55 AM	09/30/2020	11:30 PM	Connecticut: Maine: Rhode Island: Massachusetts: New Hampshire: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	155000